

### Aquatic Invertebrate Data Sheet

#### Leech Lake Town of Bracebridge

Common Name	Site 1 <sup>R</sup>						Site 2						Scientific Name	
	2006			2007			2009			2010				
	1	2	3	1	2	3	1	2	3	1	2	3		
Hydras													Coelenterata	
Flatworms													Turbellaria	
Roundworms	6	7	22										Nematoda	
Aquatic Earthworms					2			1	1		1	2	2	Oligochaeta
Leeches	1				2		1	1		1	6	2	Hirudinaea	
Sow Bugs										91			Isopoda	
Clams	2	5	1	2		3	1					1	Pelecypoda	
Fairy Shrimp	46	37	54	65	52	37	190	120	171		80	77	Amphipoda	
Crayfish													Decapoda	
Mites	3	5	10	2	1	1	1		2	3		2	Hydracarina	
Mayflies	1	2	3			1	5	1		5	1	6	Ephemeroptera	
Dragonflies	13	13	23	7	3	2	2			3	3	3	Anisoptera	
Damselflies	3	2	5	1				1					Zygoptera	
Stoneflies													Plecoptera	
True Bugs		1								2			Hemiptera	
Fishflies & Alderflies	2	1	2				1						Megaloptera	
Caddisflies	2	3	7	1	1	2	9	6	8	8	15	13	Trichoptera	
Aquatic Moths												1	Lepidoptera	
Beetles		5	1				6	2	1	2	5	4	Coleoptera	
Snails & Limpets	8	18	9	3	7	19	1	2		1	1	1	Gastropoda	
Midges	29	8	6	13	18	23	9	4	3	5	2	1	Chironomidae	
Horse & Deer Flies													Tabanidae	
Mosquitos													Culicidae	
No-see-ums	1	1		5	9	5		1	2		1		Ceratopogonidae	
Craneflies													Tipulidae	
Blackflies													Simuliidae	
Misc. True Flies											1		Misc. Diptera	
<b>Total Count</b>	<b>111</b>	<b>108</b>	<b>143</b>	<b>99</b>	<b>95</b>	<b>93</b>	<b>226</b>	<b>139</b>	<b>188</b>	<b>122</b>	<b>117</b>	<b>113</b>		
<b>Number of Taxa</b>	<b>12</b>	<b>14</b>	<b>12</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>11</b>	<b>10</b>	<b>7</b>	<b>11</b>	<b>11</b>	<b>12</b>		
													<b>Muskoka Average *</b>	
<b>Richness</b>		15			12			14			16		<b>13</b>	
<b>% EOT</b>		21			6			6			16		<b>26</b>	
<b>% Chironimids</b>		12			19			3			2		<b>12</b>	
<b>% Predators</b>		25			13			4			11		<b>24</b>	
<b>% Shredders</b>		3			1			4			11		<b>2</b>	
<b>% Collectors/Gatherers</b>		51			74			91			78		<b>69</b>	
<b>Hilsenhoff Index</b>		6.01			6.28			5.92			6.30		<b>5.99</b>	

R = Reference Site

\* The Muskoka Average is based on 73 samples collected at 44 reference sites between 2004 to 2008. Reference sites from five mesotrophic and nineteen oligotrophic lakes throughout Muskoka were used.